LMA District Cover Sheet

Spring 2018 Levee Inspection Results

Yolo County Department of Natural Resources

	(March - May)	(June - August)	(September - November)	(December - February)
† Overall LMA Rating (Fall Only)				
	** Non-receipt of Summ Reports may effect or			
† SPRING INSPECTIONS: Overall maintenance deficiencies are rated	e ratings are not detern d using the same criter			ual maintenance
FALL INSPECTIONS: The overall maintena within the attached u			tion and maintenance de ended to be an indiction (
Comments				

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles
Unit No. 01 Right Bank Cache Creek	Right	0.59

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/7/2018 - 3/7/2018			
DWR Inspector	Zach Jojola			
Accompanied By	Casey Leibler o County Department of Natural Resource			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start		Rating **	Α	Issue No.		5			
LM End		Issue Type +	Ma	Location *		N/A			
Category	Earthen L	evee		GPS La	atituc	de/Longitude			
Category				Start		End			
Item	Operations & Maintenance				0		0		
пеш	Manuals				0		0		
DWR ID	DWR ID DWR_NA0021_01_s _ 2012_5								
		Comn	nent Cod	le					
		Inspecto	or Comm	nent					
Yolo Coun	ty has cop	ies of the O&I	M manua	al.					

No Photos

LM Start		Rating **	Α	Issue No.		11	
LM End		Issue Type +	Ma	Location *		N/A	
Category Earthen Levee			GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item		cy Supplies &			0		0
пеш	Equipmer	nt			0		0
DWR ID DWR_NA0021_01_s _ 2018_11							
		Comn	nent Cod	le			

No Photos

Inspector Comment

Yolo County OES maintains a stockpile of flood response material.

LM Start		Rating **	Α	Issue No.		12	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen Levee			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID	DWR_NA0	021_01_s _ 201	2_12				
		Comn	nent Cod	le			
		Inspecto	or Comm	nent			
Yolo Coun	ty OES ha	s a written res	sponse p	lan and res	spon	se training.	

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.03	Rating **	U	Issue No.		23			
LM End	0.13	Issue Type +	Ma	Location *		WS			
Category	evee	GPS La	atitud	e/Longitude					
Calegory				Start		End			
Item	Vegetatio	n		38.7208	92°	38.721233°			
item				-121.8104	21 °	-121.808622 °			
DWR ID DWR_NA0021_01_s _ 2017_23									
Comment Code									
\/2 · Pomo	1/2 : Pomovo the wild growth other than native grasses from the levee								

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Thick vegetation on waterside slope.

LM Start	0.03	Rating **	U	Issue No.	23 (cont)
LM End	0.13	Issue Type +	Ма	Location *	WS



Wild vegetation on the waterside levee slope, blocking visibility. Spring 2018

Photo 2 of 2: SP_2018_NA0021_351_23_20180306_00019.jpg



Wild vegetation on waterside levee slope, blocking visibility. Spring 2017.

LM Start	0.03	Rating **	М	Issue No.		15	
LM End	0.03	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.72089	95 °	38.720895°	
item				-121.81040	08°	-121.810408°	
DWR ID	DWR_NA0	021_01_f _ 201	5_15				
		Comn	nent Cod	le			
DE : Debri	S						
Inspector Comment							
Concrete pipes on waterside slope.							



View of the debris on the waterward side of the levee. Fall 2015.

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.19	Rating **	U	Issue No.		16		
LM End	0.19	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Animal Co	ontrol		38.7215	36°	38.721536°		
пеш						-121.807711 °		
DWR ID	WR ID DWR_NA0021_01_s _ 2015_16							
	Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment





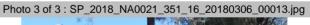
An updated view of rodent holes on LS slope. Fall inspection 10/07/2016.

Photo 2 of 3: SP_2018_NA0021_351_16_20180306_00012.jpg



View of the rodent hole on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.19	Rating **	U	Issue No.	16 (cont)
LM End	0.19	Issue Type +	Ma	Location *	LS





View of the rodent holes on the landward side of the levee looking downstream. Spring 2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.20	Rating **	М	Issue No.		7				
LM End	0.20	Issue Type +	Ma	Location *		LS				
Category	Earthen Levee					GPS Latitude/Longitude				
Calegory	egory					End				
Item	Animal Co	Animal Control			3°	38.721683 °				
пеш				-121.80753	2°	-121.807532 °				
DWR ID	DWR ID DWR_NA0021_01_s _ 2016_7									

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LM Start	0.20	Rating **	М	Issue No.	7 (cont)
LM End	0.20	Issue Type +	Ma	Location *	LS



Perspective view of the rodent hole on the landward side of the levee looking downstram. Spring 2016.

Photo 2 of 2: SP_2018_NA0021_351_7_20180306_00006.jpg



Animal hole is close to the shoulder of the levee. Spring 2016.

LM Start	0.22	Rating **	М	Issue No.		8			
LM End	0.22	Issue Type +	Ма	Location *		LS			
Category	Catogon/ Earthen Levee					GPS Latitude/Longitude			
Category			Start		End				
Item	Animal Control			38.7218	76°	38.721876°			
пеш				-121.8073	93 °	-121.807393 °			
DWR ID	VR ID DWR_NA0021_01_s _ 2016_8								

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of the rodent holes on the landward side of the levee looking downstream. Spring 2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.24	Rating **	М	Issue No.		24
LM End	0.24	Issue Type +	En	Location *		
Category	ental	GPS Latitude/Longitude				
Calegory			Start		End	
Item	DWR UCI	P Field Study		38.7221	62°	38.722162 °
пеш				-121.8072	23 °	-121.807223 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:39855 DS_ID:19554 EP_NO: 6790

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection.

FIELD_STRUCT_DESC: 6-inch steel natural gas pipeline through the levee, 4 feet below the crown. Pipe extends from borrow area and under the channel. Bleeder valve on the waterside (WS) bank. Service vault located on the landside (LS) next to access gate. Paved access ramp on the LS slope. (Plans to lower a 6-inch high-pressure gas main crossing Cache Creek authorized under Permit No. 6790, 1969 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2004].

FS Date: 4/16/2013

LM Start	0.24	Rating **	М	Issue No.	24 (cont)
LM End	0.24	Issue Type +	En	Location *	



View of landward side near access gate. Gas line marker located on between trees. Line runs parallel to access roadway and through levee.

Photo 2 of 3: UCIP SP 2018 39855 69554.jpg



Service vault located on landward toe near gate access gate.

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.24	Rating **	М	Issue No.		24 (cont)
LM End	0.24	Issue Type +	En	Location *		
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory		Start		End		
Item	DWR UC	38.7221	62 °	38.722162		
пеш				-121.8072	23 °	-121.807223
DWR ID						

Comment Code

Inspector Comment

FS_ID:39855 DS_ID:19554 EP_NO: 6790

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection.

FIELD_STRUCT_DESC: 6-inch steel natural gas pipeline through the levee, 4 feet below the crown. Pipe extends from borrow area and under the channel. Bleeder valve on the waterside (WS) bank. Service vault located on the landside (LS) next to access gate. Paved access ramp on the LS slope. (Plans to lower a 6-inch high-pressure gas main crossing Cache Creek authorized under Permit No. 6790, 1969 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2004].

FS Date: 4/16/2013



View of gas line marker located on levee crown.

LM Start	0.27 Rating ** M		Issue No.		4		
LM End	0.27	Issue Type +	Ма	Location *	WS		
Category	evee	GPS La	atitud	le/Longitude			
Category				Start		End	
Item	Encroachments			38.7225	20°	38.722520°	
пеш				-121.8069	91 °	-121.806991 °	
DWR ID	DWR_NA0	021_01_s _ 201	2_4				
		Comn	nent Cod	le			
PR : Prunings							
-							

Inspector Comment

Photo 1 of 3: SP 2018 NA0021 351 4 20180306 00002.jpg



A continuous brush pile on levee. Spring 2013

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

I M Otant	0.27	Rating **	M	Issue No.		4 (cont)		
LM Start					` '			
LM End	0.27	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Encroach	ments		38.7225	20°	38.722520 °		
Item				-121.8069	91 °	-121.806991 °		
DWR ID	DWR ID DWR_NA0021_01_s _ 2012_4							
		Comn	nent Cod	de				
PR : Pruni	ngs							
		Inspecto	or Comm	nent				

LM Start	0.27	Rating **	М	Issue No.	4 (cont)
LM End	0.27	Issue Type +	Ma	Location *	WS



The brush pile did not get burned this last winter. Spring 2014

Photo 3 of 3: SP_2018_NA0021_351_4_20180306_00004.jpg



The latest look of the ongoing brush pile. Fall 2013

LM Start	0.27	Rating **	М	Issue No.		18
LM End	0.27	Issue Type +	En	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		38.7226	15°	38.722615 °
item			-121.806952 °		-121.806952 °	
DWR ID DWR_NA0021_01_s _ 2015_18						
		Comn	nent Cod	de		
EQ : Equip	oment					
			_			
		Inspecto	or Comm	nent		



Updated picture of equipment near LS toe of the levee. Fall inspection 10/07/2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.27	М	Issue No. 18 (cont)		18 (cont)		
LM End	0.27	Issue Type +	En	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory		Start		End			
Item	Encroachments			38.7226	15 °	38.722615 °	
пеш					52 °	-121.806952°	
DWR ID	DWR_NA0	021_01_s _ 201	5_18				
		Comn	nent Coo	le			
EQ : Equipment							
Inspector Comment							

Photo 2 of 2: SP_2018_NA0021_351_18_20180306_00015.jpg

View of equipment on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.27	Issue No.		22			
LM End	0.27	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee	GPS La	atitud	e/Longitude		
Calegory			Start		End		
Item	Slope Sta		38.7226	20°	38.722620	0	
пеш			-121.8069	58°	-121.806958	0	
DWR ID	D DWR_NA0021_01_f _ 2015_22						

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Vehicle ramp.

LM Start	0.27	Rating **	M	Issue No.	22 (cont)
LM End	0.27	Issue Type +	Ма	Location *	WS

Photo 1 of 3: SP_2018_NA0021_351_22_20180306_00016.jpg



Perspective view of the trail on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 3: SP_2018_NA0021_351_22_20180306_00017.jpg



View of the trail on the waterward side of the levee. Fall 2015.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.27	Rating **	М	Issue No.		22 (cont)
LM End	0.27	Issue Type +	Ma	Location *		WS
Category	Catagoni Earthen Levee			GPS Latitude/Longitude		
Category				Start		End
Item	Slope Stability			38.72262	20°	38.722620 °
item				-121.80695	58 °	-121.806958 °
DWR ID DWR_NA0021_01_f _ 2015_22						
Comment Code						
S3: Repair the levee slope damaged by vehicle traffic and prevent						

Inspector Comment

Vehicle ramp.

access where possible.



The trail seems to be an access point that leads down to Cache Creek. Fall 2015.

LM Start	0.27	Rating **	М	Issue No.		14	
LM End	0.27	Issue Type +	Ма	Location *		WS	
Catagonia Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetation			38.7226	33 °	38.722633 °	
item				-121.8069	38°	-121.806938 °	
DWR ID DWR_NA0021_01_s _ 2012_14							
Comment Code							

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

LM Start	0.35	Rating **	С	Issue No.		20	
LM End	0.35	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Category	Category			Start		End	
Item	Vegetation			38.7237	89°	38.723789	0
item				-121.8066	66 °	-121.806666	0
DWR ID	DWR ID DWR_NA0021_01_s _ 2015_20						
		Comn	nent Coc	de			

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Spring 2018

Yolo County Department of Natural Resources

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	03/07/2018 03/07/2018	Zach Jojola

LM Start	0.41	Rating **	С	Issue No.		9	
LM End	0.41	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thin Trees			38.7245	44 °	38.724544°	
пеш	nem				84 °	-121.806584 °	
DWR ID	DWR ID DWR_NA0021_01_s _ 2012_9						
		Comn	nent Cod	le			
T1 : Trim t	rees to at l	east five feet	above g	round level.			
			•				
Inspector Comment							

No Photos

LM Start	0.45	Rating **	М	Issue No.		3
LM End	0.45	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude		
Category				Start		End
Item	Animal Control			38.7251	15 °	38.725115 °
пеш				-121.8065	27 °	-121.806527°
DWR ID	DWR NA0021 01 f 2017 3					

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : SP_2018_NA0021_351_3_20180306_00001.jpg



Rodent holes on landward hinge point. Fall 2017.

LM Start	0.48	Rating **	М	Issue No.		2	
LM End	0.48	Issue Type +	En	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Calegory			Start		End	
Item	Encroachments			38.7255	62°	38.725562	0
пеш	item				28 °	-121.806528	0
DWR ID	DWR ID DWR_NA0021_01_s _ 2018_2						
Comment Code							

FW : Firewood

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement